Application No. 10/016,870 Reply to the Office Action mailed January 21, 2005

## Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

## Listing of Claims:

06/20/05 14:57 FAX 514 286 5474

Claim 1 (currently amended) A gas turbine engine fire retarding device comprising: a-machine disposed inside-a casing, the easing becoming hot when the machine is operated, the easing in use being potentially exposed to at least one liquid which poses a fire risk when the liquid contacts the hot easing; and

a hot section including a combustion chamber therein;

an outer casing surrounding said hot section, the outer casing becoming sufficiently hot during operation of said gas turbine engine to pose a fire risk if a flammable fluid were to contact said hot casing,

- a flexible fire retarding member adapted for superposition superposed directly on an outer surface of the hot casing, said member adapted to cover at least a portion of the hot casing and being fastened in place thereto, the member having a thickness in a first direction substantially normal to said outer surface, said member comprising intermingled filaments forming a porous flame arresting fibrous matrixnetwork having a plurality of layers of said filaments throughout said thickness, the fibrous matrix; said fibrous network having a volume being more porous than dense, and wherein said filaments are arranged todefining a plurality of interconnected define voids between said filaments, the voids being disposed in communication with each other throughout said thickness and of having a size smaller than a maximum size throughout said fibrous network, and wherein said maximum void size which limits flame propagation of an ignited fluid through said member.
- Claim 2 (currently amended) The fire retarding devicegas turbine engine as defined in claim 1, wherein the fire retarding device-member is removable from said hot casing.
- Claim 3 (currently amended) The fire retarding device gas turbine engine as defined in claim 1, wherein said filaments are irregularly intertwined to form said fibrous notworkmatrix.
- Claim 4 (currently amended) The fire retarding device gas turbine engine as defined in claim 1, wherein said member is entirely comprised of said flame arresting fibrous networkmatrix.
- Claim 5 (currently amended) The fire retarding device gas turbine engine as defined in claim 1, further comprising a plurality of insulative thermal blankets disposed adjacent one another around said hot casing, and wherein a-said flexible-fire

Application No. 10/016,870 Reply to the Office Action mailed January 21, 2005

retarding member is disposed between adjacent sections of said insulative thermal blankets.

Claim 6 (currently amended) The fire retarding devicegas turbine engine as defined in claim 1, further comprising an insulative thermal blanket disposed around said hot casing, and wherein a-said flexible fire retarding member is disposed around said insulative thermal blanket.

Claim 7 (cancelled)

Claim 8 (cancelled)

Claim 9 (currently amended) The five retarding devicegas turbine engine as defined in claim 1, wherein said filaments are metal.

Claim 10 (cancelled)

Claim 11 (cancelled)

Claim 12 (currently amended) A fire retarding device for covering a hot casing of a machine housed therewithin, the casing housing an machine therein and becoming hot during machine use, the device comprising:

a member adapted to cover at least a portion of an exterior surface of the hot casing, said member comprising a porous flame arresting matrix having a thickness in a first direction substantially normal to the exterior surface of the hot casing, the matrix having filaments defining a plurality of intermingled filament layers throughout said thickness, the matrix defining a plurality of substantially interconnected voids defined therein between the filaments and disposed in communication with each other throughout said thickness, said voids having a maximum-size smaller than a eaid maximum size being predetermined to limit flame propagation of an ignited fluid across said voids through said member.

- Claim 13 (currently amended) The fire retarding device as defined in claim 12, wherein said member is disposed immediately adjacent on the hot casing.
- Claim 14 (original) The fire retarding device as defined in claim 12, further comprising at least one insulative thermal blanket.
- Claim 15 (currently amended) The fire retarding device as defined in claim 12, wherein the machine is a gas turbine engine and the hot casing is outer an aircraft jet engine casing thereofand wherein said flammable fluid is jet fuel.
- Claim 16 (original) The fire retarding device as defined in claim 12, wherein said flame arresting matrix has a percent-density of between 10% and 30%.
- Claim 17 (currently amended) The fire retarding device as defined in claim 12, wherein said voids are a plurality of different sizes, said different sizes all being

Application No. 10/016,870
Reply to the Office Action mailed January 21, 2005

- less than said maximum sizedo not exceed a maximum size in at least a direction extending substantially outwardly from said hot easing.
- Claim 18 (currently amended) The fire retarding device as defined in claim 12, wherein said member is <u>un-extendable</u> in a second direction substantially parallel to said exterior surface removable from said hot easing.
- Claim 19 (original) The fire retarding device as defined in claim 12, wherein said member is composed of a metal.